EMB 120

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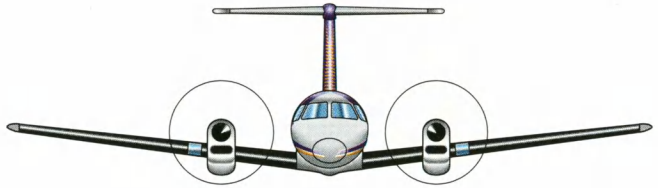
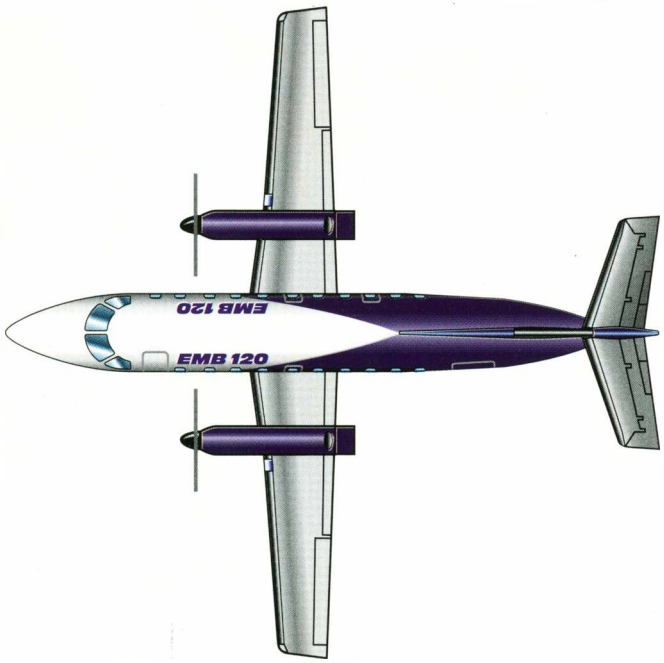
New-generation, 30-seat, pressurized twin-turboprop airliner, featuring high cruise speed and low operating costs.
The cockpit features Electronic Flight Instruments. Its roomy cabin can seat up to 30 passengers in the airline version or 18 in the corporate configuration.





General Characteristics

Engine: Two Pratt & Whitney PW118B turboprop, 1800 SHP each.	
Overall length	65 ft 7 in
Height	20 ft 10 in
Span	64 ft 11 in
Cabin width	6 ft 11 in
Cabin height	5 ft 9 in
Baggage compartment volume	222 ft3
Cargo compartment capacity	1,543 lb
Maximum ramp weight	26,609 lb
Maximum takeoff weight	26,433 lb
Maximum landing weight	25,794 lb
Maximum zero fuel weight	24,030 lb
Basic operating weight	16,711 lb
Maximum payload	7,319 lb
Maximum fuel	5,732 lb
Maximum Cruise Speed	315 kts
Range full pax @ 200 lb (91 kg), LRC (reserves 100 nm + 45 min), ISA	800 nm
Service ceiling	32,000 ft
Takeoff field length (MTOW, SL, ISA)	5,118 ft
Landing field length (MTOW,SL,ISA)	4,527 ft
Maximum differential pressurization	7 psi

This data is for general information only and subject to change without previous notice.

Avião pressurizado de nova geração para 30 passageiros,equipado com dois motores turboélice, se destaca pela alta velocidade de cruzeiro e baixo custo operacional. A cabine de comando está equipada com instrumentos eletrônicos de vôo (EFIS).
A aeronave transporta 30 passageiros em sua versão de linha aérea ou 18 na configuração executiva.

Características Principais

Motor: Dois Pratt & Whitney PW118B turboélice, 1800 SHP cada.	
Comprimento	20,00 m
Altura	6,35 m
Envergadura	19,78 m
Largura da cabine	2,10 m
Altura da Cabine	1,76 m
Volume do compartimento de bagagem	6,30 m3
Capacidade do compartimento de carga	700 kg
Peso máximo de rampa	12.070 kg
Peso máximo de decolagem	11.990 kg
Peso máximo de pouso	11.700 kg
Peso máximo de zero combustível	10.900 kg
Peso básico operacional	7.580 kg
Carga paga máxima	3.320 kg
Combustível máximo	2.600 kg
Velocidade máxima de cruzeiro	584 km/h
Alcance, 30 pax. com 91 kg cada, LRC (alternativa 185 km + 45 min), ISA	1.481 km
Teto de serviço	9.754 m
Distância de decolagem (peso max., nível do mar, ISA)	1.560 m
Distância de pouso (nível do mar, ISA)	1.380 m
Pressurização	483 hPa

Estes dados são informativos e sujeitos a mudaça sem prévio aviso.

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ERJ 135

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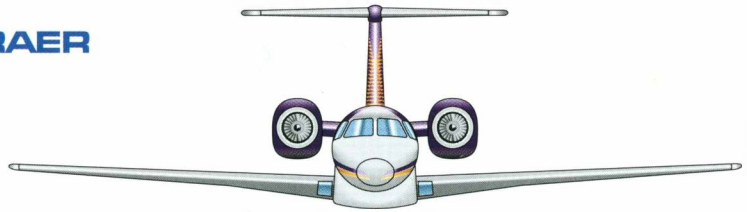
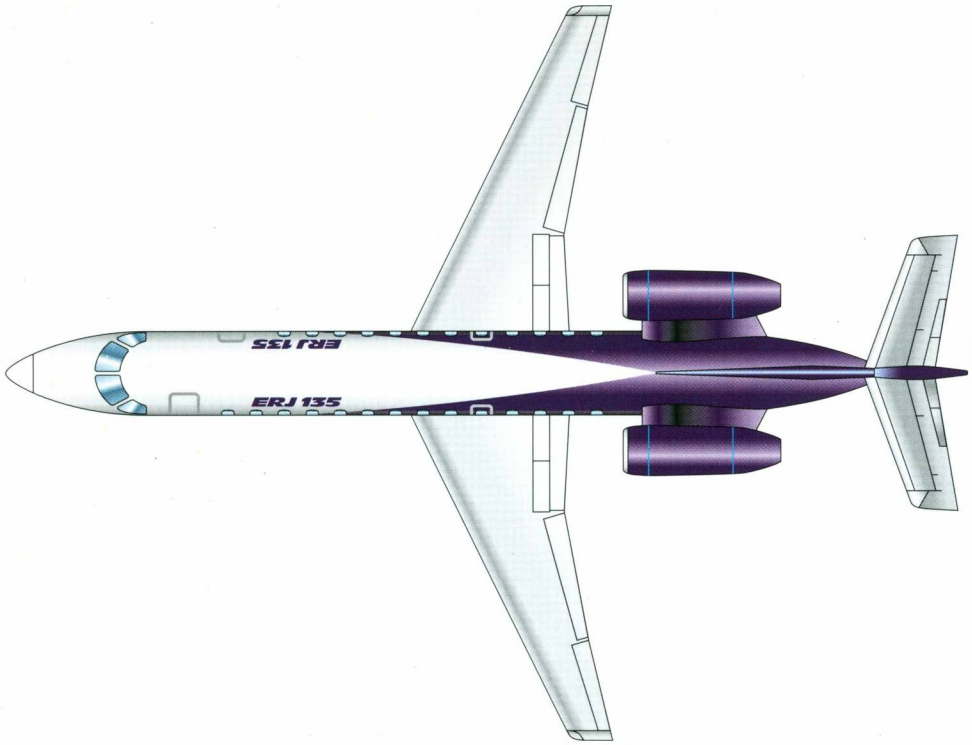


The ERJ 135 is a new generation jet for 37 passengers, based on the proven and very successful ERJ 145 regional jet. The ERJ 135 benefits from 98% of parts commonality with the ERJ 145: engines, main systems, cockpit, wing and tail.
The fuselage cross section is the same, 11.7 feet (3,6 meters) shorter.
Embraer's regional Jet Family shares low noise, low fuel consumption, as well as common maintenance and crew training procedures.
The bottom line: lower operating costs.

ERJ 135



General Characteristics

Engines: Two Roll-Royce AE 3007A1/3 turbofans with 7,426 lb (3.368 kg) thrust each		
Overall length	86 ft 5 in	26,33 m
Height	22 ft 2 in	6,75 m
Span	65 ft 9 in	20,04 m
Cabin width	6 ft 11 in	2,10 m
Cabin height	6 ft 0 in	1,82 m
Baggage compartment volume	325 ft^3	9,20 m^3
Cargo compartment capacity	2,205 lb	1.000 kg
Maximum ramp weight	44,312 lb	20.100 kg
Maximum takeoff weight	44,092 lb	20.000 kg
Maximum landing weight	40,785 lb	18.500 kg
Maximum zero fuel weight	35,273 lb	16.000 kg
Basic operating weight	25,176 lb	11.420 kg
Maximum payload	10,097 lb	4.580 kg
Maximum fuel	11,435 lb	5.187 kg
Maximum cruise speed (Mach .78)	450 kts	833 km/h
Range full pax @ 220 lbs (100 kg), LRC (reserves 100 nm + 45 min) ISA	1,700 nm	3.148 km
Service ceiling	37,000 ft	11.278 m
Takeoff field length (MTOW, SL, ISA)	5,577 ft	1.700 m
Landing field length (MLW, SL, ISA)	4,200 ft	1.280 m
Maximum differential pressurization	7.8 psi	538 hPa

All the figures presented refer to the LR version.
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ERJ 140

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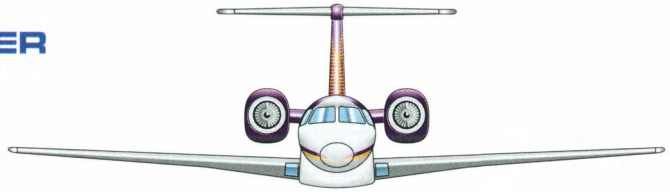
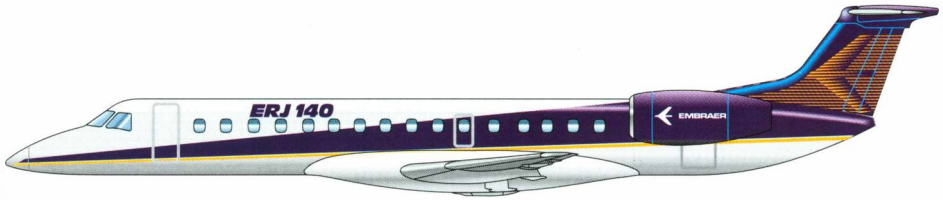


The ERJ 140 is a new generation jet for 44 passengers based on the proven and very successful ERJ 145 and ERJ 135 regional jets, benefiting from 98% of parts commonality and the same crew type rating.
Embraer's regional jet family shares low noise, low fuel consumption as well as common maintenance procedures.



Preliminary Specification Data

Engines: Two Rolls-Royce AE 3007A1/3 turbofans with 7,426 lb (3.368 kg) thrust each		
Overall length	93 ft 5 in	28,45 m
Height	22 ft 2 in	6,75 m
Span	65 ft 9 in	20,04 m
Cabin width	6 ft 11 in	2,10 m
Cabin height	6 ft 0 in	1,82 m
Baggage compartment volume	325 ft^3	9,20 m^3
Cargo compartment capacity	2,646 lb	1.200 kg
Maximum ramp weight	46,737 lb	21.200 kg
Maximum takeoff weight	46,517 lb	21.100 kg
Maximum landing weight	41,226 lb	18.700 kg
Maximum zero fuel weight	37,698 lb	17.100 kg
Basic operating weight	25,882 lb	11.740 kg
Maximum payload	11,817 lb	5.360 kg
Maximum fuel	11,435 lb	5.187 kg
Maximum cruise speed (Mach .78)	450 kts	833 km/h
Range full pax @ 220 lbs (100 kg), LRC (reserves 100 nm + 45 min) ISA	1,630 nm	3.019 km
Service ceiling	37,000 ft	11.278 m
Takeoff field length (MTOW, SL, ISA)	6,463 ft	1.970 m
Landing field length (MLW, SL, ISA)	4,396 ft	1.340 m
Maximum differential pressurization	7.8 psi	538 hPa

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ERJ 145

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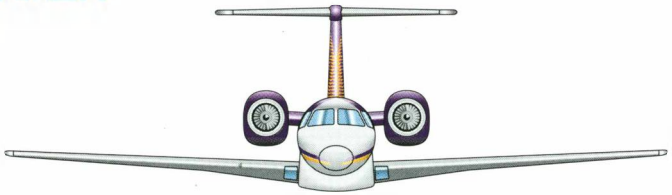
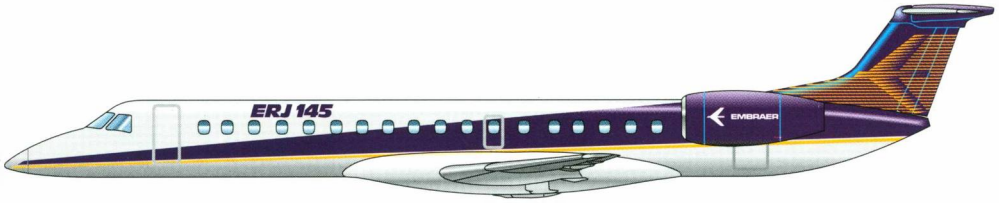
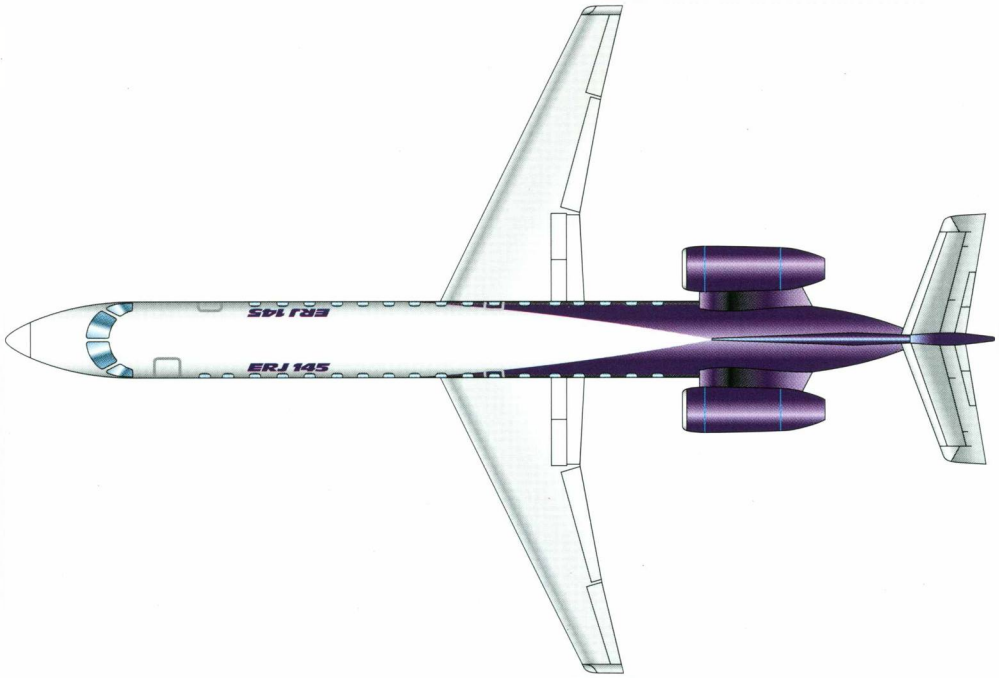
New-generation, 50-seat, pressurized twin-turbofan airliner, featuring jet performance with low operating cost.
The cockpit features the most advanced electronic flight instruments and digital computerized flight control systems.



ERJ 145





General Characteristics

Engine: Two Rolls-Royce AE3007A turbofans with 7,426 lb (3.368 kg) thrust each.		
Overall length	98 ft 0 in	29,87 m
Height	22 ft 2 in	6,75 m
Span	65 ft 9 in	20,04 m
Cabin width	6 ft 11 in	2,10 m
Cabin height	6 ft 0 in	1,82 m
Baggage compartment volume	325 ft^3	9,20 m^3
Cargo compartment capacity	2,646 lb	1.200 kg
Maximum ramp weight	48,721 lb	22.100 kg
Maximum takeoff weight	48,500 lb	22.000 kg
Maximum landing weight	42,549 lb	19.300 kg
Maximum zero fuel weight	39,462 lb	17.900 kg
Basic operating weight	26,470 lb	12.007 kg
Maximum payload	12,992 lb	5.893 kg
Maximum fuel	11,435 lb	5.187 kg
Maximum cruise speed (Mach .78)	450 kts	833 km/h
Range full pax @ 220 lb (100 kg), LRC (reserves 100 nm + 45 min) ISA	1,550 nm	2.870 km
Service ceiling	37,000 ft	11.278 m
Takeoff field Length (MTOW, SL, ISA)	7,448 ft	2.270 m
Landing field length (SL)	4,413 ft	1.345 m
Maximum differential pressurization	7.8 psi	538 hPa

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ERJ 170

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The ERJ 170 & ERJ 190 are members of a new jet family that brings the outstanding heritage of Embraer's products to the 70-110 seat class of aircraft. Designed to provide the best balance between passenger comfort and aircraft performance, the aircraft family will deliver operational flexibility at the lowest operational cost to provide the best value to the airlines and their passengers. The underwing engine design minimizes aircraft weight while the four-abreast cabin seating configuration is the most comfortable for the passenger and also provides flexibility to assure quick turn-arounds ensuring greater profit potential in this category of aircraft.

ERJ 170

Preliminary Specification Data - 70 pax version

Overall length	98 ft 1 in	29,90 m
Height	31 ft 9 in	9,67 m
Span	85 ft 4 in	26,00 m
Cabin width (floor level)	8 ft 3 in	2,52 m
Cabin height	6 ft 7 in	2,00 m
Maximum takeoff weight (Standard Version)	78,153 lb	35.450 kg
Maximum takeoff weight (Long Range Version)	81,239 lb	36.850 kg
Maximum landing weight	71,539 lb	32.450 kg
Basic operating weight	44,422 lb	20.150 kg
Maximum payload	20,062 lb	9.100 kg
Maximum fuel	20,877 lb	9.470 kg
Takeoff field length (MTOW, ISA, SL)	5,500 ft	1.676 m
Takeoff field length (600 nm, ISA, SL)	4,260 ft	1.298 m
Landing field length, SL, ISA (typical landing weight)	4,000 ft	1.219 m
Maximum Cruise Speed (Mach .80)	470 kts	870 km/h
Range full pax @ 220 lb (100 kg), LRC (reservers 100 nm + 45 min) ISA		
• Standard Version	1,800 nm	3.334 km
• Long Range Version	2,100 nm	3.889 km

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ERJ 190

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Designed to provide the best balance between passenger comfort and aircraft performance, the aircraft family will deliver operational flexibility at the lowest operational cost to provide the best value to the airlines and their passengers.

The underwing engine design minimizes aircraft weight while the four-abreast cabin seating configuration is the most comfortable for the passenger and also provides flexibility to assure quick turn-arounds ensuring greater profit potential in this category of aircraft.

ERJ 190-100

Preliminary Specification Data - 98 pax version		
Overall length	118 ft 7 in	36,15 m
Height	34 ft 5 in	10,48 m
Span	93 ft 8 in	28,56 m
Cabin width (floor level)	8 ft 3 in	2,52 m
Cabin height	6 ft 7 in	2,00 m
Maximum takeoff weight (Standard Version)	101,389 lb	45.990 kg
Maximum takeoff weight (Long Range Version)	106,922 lb	48.500 kg
Maximum landing weight	93,695 lb	42.500 kg
Basic operating weight	57,760 lb	26.200 kg
Maximum payload	27,337 lb	12.400 kg
Maximum fuel	28,660 lb	13.000 kg
Takeoff field length (MTOW, ISA, SL)	6,000 ft	1.829 m
Takeoff field length (600 nm, ISA, SL)	4,800 ft	1.463 m
Landing field length SL, ISA (typical landing weight)	4,200 ft	1.280 m
Maximum Cruise Speed (Mach .80)	470 kts	870 km/h
Range full pax @ 220 lb (100 kg) (Standard Version) Max. Cruise	1,800 nm	3.334 km
Range full pax @ 220 lb (100 kg) (Long Range Version) Max. Cruise	2,300 nm	4.260 km

ERJ 190-200

Preliminary Specification Data - 108 pax version		
Overall length	126 ft 6 in	38,56 m
Height	34 ft 5 in	10,49 m
Span	93 ft 8 in	28,56 m
Cabin width (floor level)	8 ft 3 in	2,52 m
Cabin height	6 ft 7 in	2,00 m
Maximum takeoff weight (Standard Version)	103,593 lb	46.990 kg
Maximum takeoff weight (Long Range Version)	108,003 lb	48.990 kg
Maximum landing weight	98,104 lb	44.500 kg
Basic operating weight	59,744 lb	27.100 kg
Maximum payload	27,998 lb	12.700 kg
Maximum fuel	28,660 lb	13.000 kg
Takeoff field length (MTOW, ISA, SL)	6,300 ft	1.920 m
Takeoff field length (600 nm, ISA, SL)	5,300 ft	1.615 m
Landing field length SL, ISA (typical landing weight)	4,350 ft	1.326 m
Maximum Cruise Speed (Mach .80)	470 kts	870 km/h
Range full pax @ 220 lb (100 kg) (Standard Version) Max. Cruise	1,400 nm	2.593 km
Range full pax @ 220 lb (100 kg) (Long Range Version) Max. Cruise	1,800 nm	3.334 km

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